

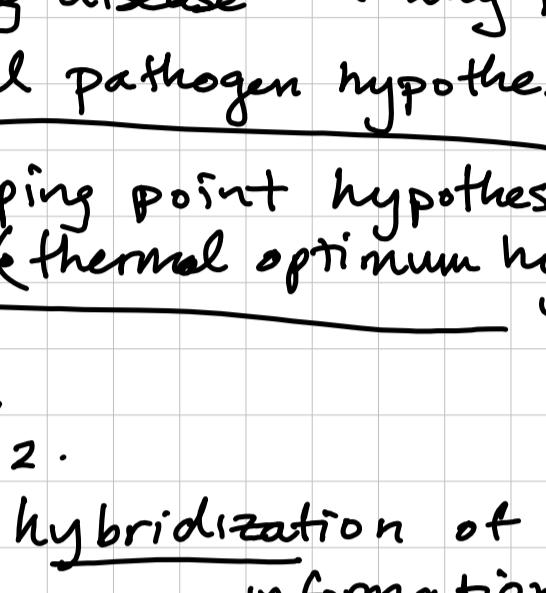
- Vredenburg notes
 - Combes discussion
 - epi models, continued
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Batrachochytrium dendrobatis

- PANDEMIC

chytrid.

life cycle



emerging disease → why now?

- Novel pathogen hypothesis
 - tipping point hypothesis
(thermal optimum hypothesis)
-

Combes.

ch 1-2.

'hybridization of information'

host genotype + parasite genotype

host phenotype

Dawkins - 'extended phenotype'

- Croisement.

→ exploiters, mutualists, etc. of

OPERATIONALIZE.

- net change in fitness.

R_0 = maximum fitness per generation

'expected number of new cases caused by a single case in an uninfected population (100% S)

$$R_0 < 1$$

$$R_0 > 1$$

$$\underline{1.001}$$

MERS

2-3 HIV

15-18 measles.

control : bring R_0 below 1

$$R_t$$